

**SYSTEM AND METHOD FOR SHIFTING  
THE PHASE OF PSEUDORANDOM NOISE CODE IN  
DIRECT SEQUENCE SPREAD SPECTRUM COMMUNICATIONS**

5                   **ABSTRACT OF THE INVENTION**

          A system and method for shifting the phase of a PN code  
sequence are provided, useful in communications networks where power  
can be conserved by powering-off the PN clock and PN generators during  
slotted mode sleep intervals. The system and method targets a family of  
10 time intervals, and stores phase shifting masks corresponding to these  
probable intervals. The PN code generated with the phase-shifting mask  
at power-up is sufficiently accurate to permit rapid resynchronization.  
Further, because the phase-shifting masks do not have to be calculated,  
processing time is minimized and the PN clock and generators can be  
15 powered-off for longer periods of time.